

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070394 A2

- (51) International Patent Classification⁷: **A61K 9/127** (74) Agent: **FRANK B. DEHN & CO.**, 179 Queen Victoria Street, London EC4V 4EL (GB).
- (21) International Application Number: **PCT/GB2005/000202** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 21 January 2005 (21.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0401515.2 23 January 2004 (23.01.2004) GB
0407936.4 7 April 2004 (07.04.2004) GB
- (71) Applicant (for all designated States except US): **CAMURUS AB [SE/SE]**; Ideon, Gamma 1, Sölvegatan 41, S-223 70 Lund (SE).
- (71) Applicant (for GB only): **GODDARD, Christopher** [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JOHNSSON, Markus [SE/SE]**; Camurus AB, Ideon, Gamma 1, Sölvegatan 41, S-223 70 Lund (SE). **TIBERG, Fredrik [SE/SE]**; Camurus AB, Ideon, Gamma 1, Sölvegatan 41, S-223 70 Lund (SE).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **TERNARY NON-LAMELLAR LIPID COMPOSITIONS**

(57) Abstract: The present invention provides a particulate composition including; a) at least 50 % of at least one structure forming amphiphile, b) 0 to 40 % of at least one structure swelling amphiphile, and c) 2 to 20 % of at least one dispersion stabilising polymeric amphiphile, where all parts are by weight relative to the sum of the weights of a+b+c and wherein the composition comprises non-lamellar particles or forms non-lamellar particles when contacted with an aqueous fluid. Where component b) is 0 % then component a) comprises at least two structure forming amphiphiles. The invention also provides pharmaceutical compositions of the compositions and kits containing the compositions for establishing a pharmaceutical formulation of an active agent.

WO 2005/070394 A2